LUXEMBOURG CIRCULARITY DATASET STANDARDIZATION INITIATIVE

CONFÉRENCE DE PRESSE

3 décembre 2019

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG

"Waste is material without an identity."

Thomas Rau
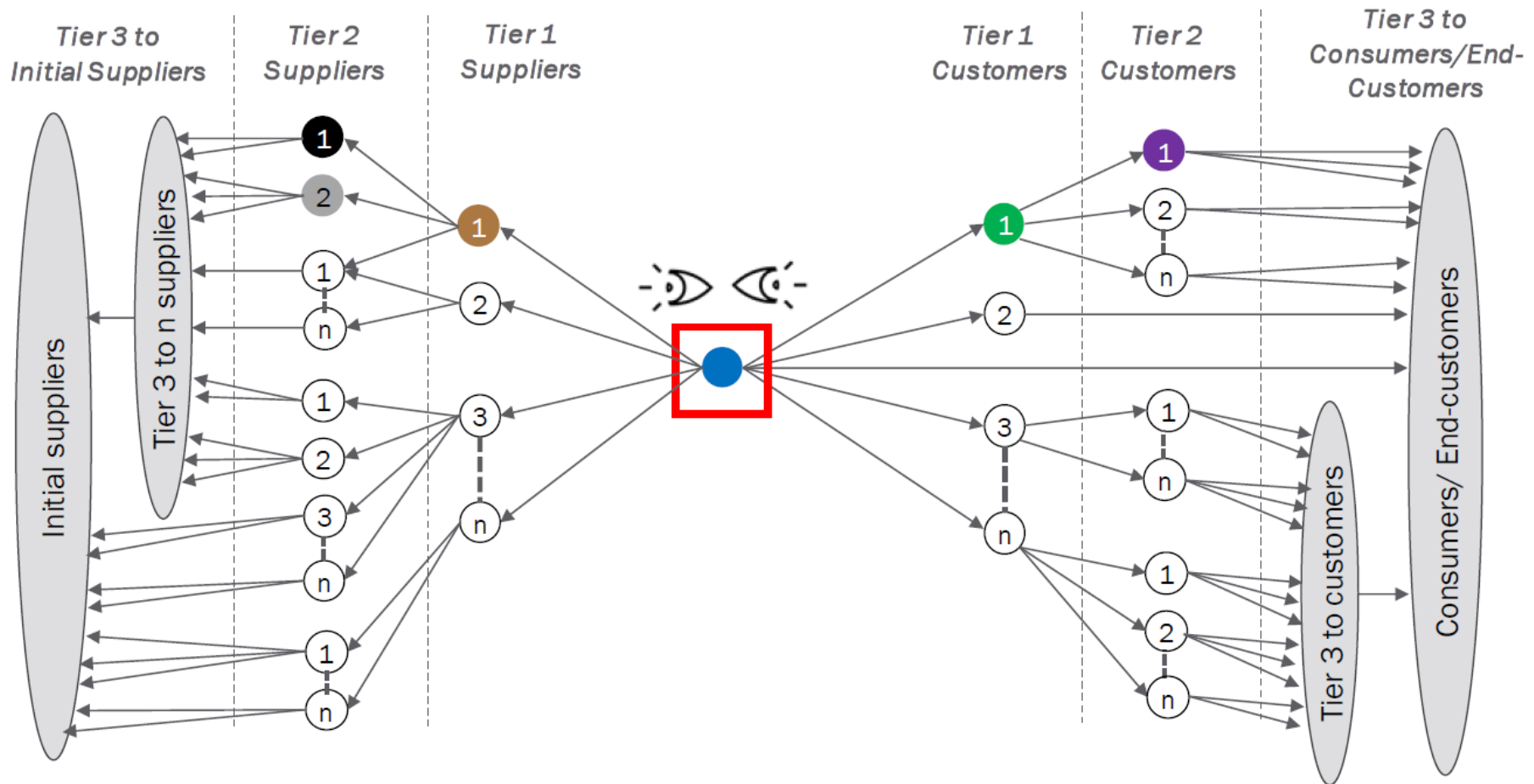
Identity retains value in Products, Components and Materials and enables circularity.

Data creates Identity.

We make data available.

Supply Chain Data Management

Schematic view of a supply chain: supplier's view

+ImpaKT Luxembourg

Context

- *Objective : to establish a de facto industry standard in order to:*
  - *fill a gap in marketplace data for the circular economy (CE);*
  - *save costs for manufacturers and other stakeholders who are being asked to provide similar CE data in many different formats ;*
  - *improve CE data sharing efficiencies across supply chains ;*
  - *protect the integrity of data to assure its reliability.*

- *Mission : to coordinate the activities in order to engage with the key stakeholders*
  - *The Datasets Working Group to develop standardized circularity datasets & methods*
  - *An Auditing Working Group to define the auditing process*
  - *The Stakeholders Group to follow progress & pilot datasets*

- *Work orchestrated by +ImpaKT, mostly through webinars, first physical meeting on December 9th, 2019*

- *The need for standardized circularity datasets was reflected by the high participation rate observed through the engagement process*

PCDS "Product Circularity Data Sheet"

- *enables later circular evaluation of product by other stakeholders (e.g. platforms or consultants).*

- *is not designed for ranking or rating product circularity*

- *uses a "statement" approach , inspired by the Material Safety Data Sheet (MSDS) system*

- *shares answers not confidential data and contains limited non confidential information to support rapid scale up before more complex PCDS are developed in a second phase*

- *has a standalone structured content, independently of the later use of the product*

- *is integrated throughout the supply chain, allowing the assembly of information from multiple PCDS in a machine readable format*

- *is auditable and guarantees the integrity and correctness of the data*

- *leaves ownership and control of the data with the producers*

- *avoids costly centralized storage and maintenance*

PCDS Content Examples

Statement examples:

- *The weight fraction of all disclosed chemical substances is > X %*

- *X % of the product (weight in kg) is designed to be dismantled to the level of materials that can be reused or recycled for other products*

- *The product is designed to be installed and demounted using reversible connectors*

- *The product is designed for remanufacturing*

- *The product is designed for re-use as-is or with minimal modification*

- *The product is designed for composting in an industrial facility*

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www.circularitydataset.lu